

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1307291

Luminaire Tested: P3SQAS24R159027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

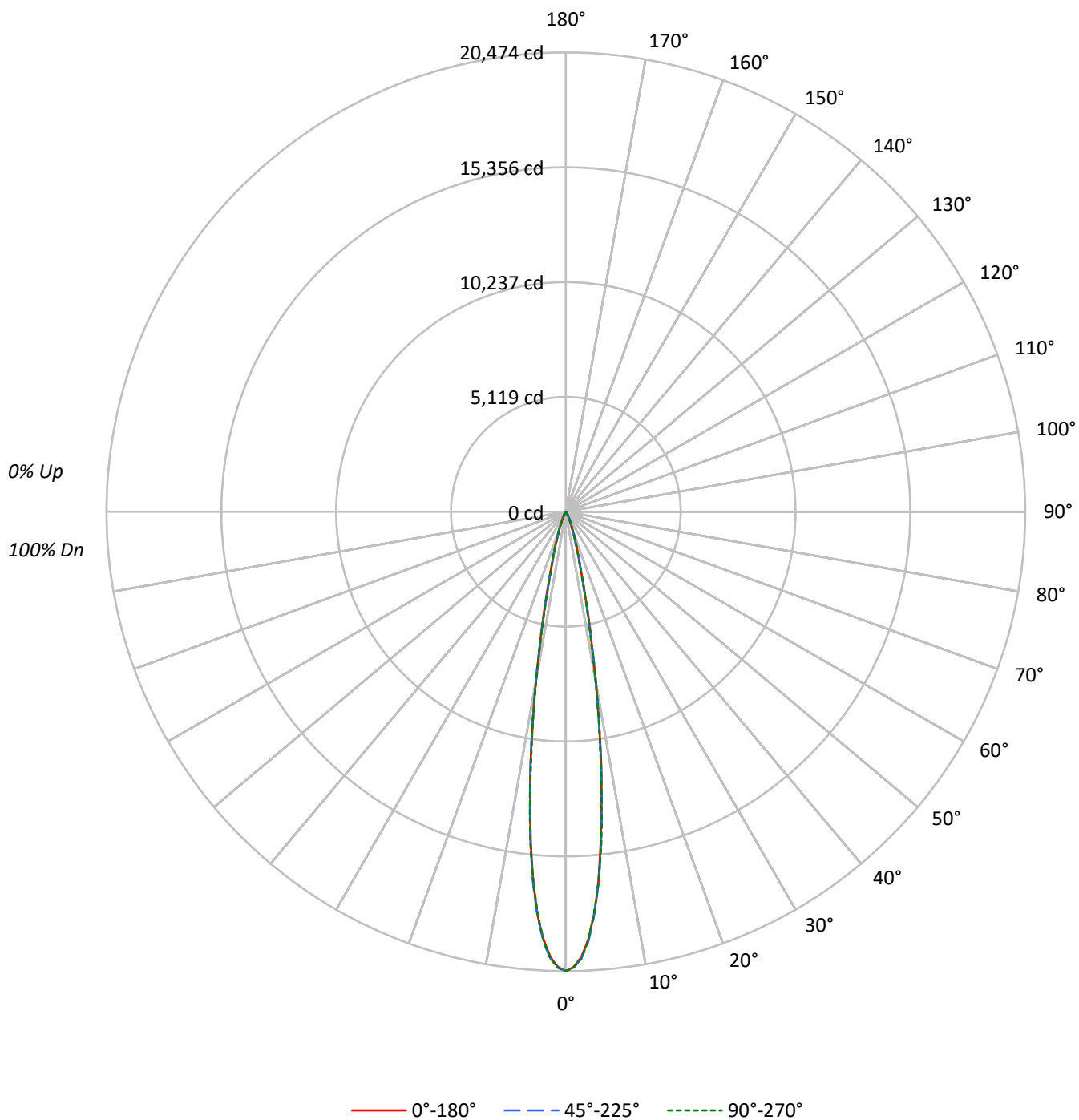
Lumens per Lamp: N/A
Luminaire Lumens: 2285.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1307291

CATALOG NUMBER: P3SQAS24R159027D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307291

CATALOG NUMBER: P3SQAS24R159027D010 E3SQCD1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3526000	3526000	3526000
5°	2870819	2880189	2874571
10°	1339174	1351189	1334120
15°	420534	424082	421496
20°	166616	173232	161319
25°	67307	81388	64913
30°	26966	37029	25514
35°	7989	16336	7590
40°	2428	6093	2023
45°	438	1315	438
50°	0	482	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1315 cd/sqm

TEST NUMBER: P1307291

CATALOG NUMBER: P3SQAS24R159027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1281.8	56.1
10°-20°	766.6	33.6
20°-30°	193.3	8.5
30°-40°	39.5	1.7
40°-50°	3.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2241.8	98.1
0°-40°	2281.3	99.8
0°-60°	2285.0	100.0
0°-90°	2285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20474	20474	20474	20474	20474	
5°	16606	16575	16660	16618	16628	1278
15°	2359	2378	2378	2344	2364	767
25°	354	387	428	380	342	182
35°	38	51	78	49	36	31
45°	2	4	5	4	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307291

CATALOG NUMBER: P3SQAS24R159027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20473.5	20473.5	20473.5	20473.5	20473.5
1°	20289.2	20357.8	20321.7	20350.6	20318.1
2°	19850.0	19942.2	19913.2	19904.2	19929.5
3°	19076.4	19183.1	19179.5	19152.4	19109.0
4°	18021.0	17977.6	18044.5	18037.2	17963.1
5°	16605.8	16575.1	16660.0	16618.5	16627.5
6°	14874.4	15008.1	14979.2	14982.8	15017.2
7°	13014.6	13086.9	13148.4	13199.0	13128.5
8°	11306.7	11288.6	11294.1	11351.9	11156.7
9°	9394.5	9506.6	9434.3	9318.6	9392.7
10°	7657.7	7726.4	7726.4	7625.2	7628.8
11°	6105.2	6161.2	6121.5	6146.8	5987.7
12°	4921.4	4782.2	4749.7	4775.0	4773.2
13°	3757.5	3766.5	3757.5	3755.6	3737.6
14°	2946.0	2993.0	2973.1	2924.3	2902.6
15°	2358.6	2378.5	2378.5	2344.1	2364.0
17.5°	1417.0	1440.4	1445.9	1422.4	1422.4
20°	909.1	919.9	945.2	910.9	880.2
22.5°	560.3	583.8	627.1	576.5	551.2
25°	354.2	386.8	428.3	379.5	341.6
27.5°	222.3	249.4	285.6	238.6	215.1
30°	135.6	153.6	186.2	150.0	128.3
32.5°	75.9	90.4	117.5	86.8	72.3
35°	38.0	50.6	77.7	48.8	36.1
37.5°	21.7	27.1	48.8	23.5	19.9
40°	10.8	14.5	27.1	14.5	9.0
42.5°	3.6	7.2	10.8	7.2	3.6
45°	1.8	3.6	5.4	3.6	1.8
47.5°	0.0	0.0	1.8	0.0	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307291

CATALOG NUMBER: P3SQAS24R159027D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)